

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : D. Amnon Silverstein

Art Unit : 2612

Serial No. : 09/484,667

Examiner : Rosendale, Matthew L.

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Title : POINTING DEVICE FOR DIGITAL CAMERA DISPLAY

Commissioner for Patents

P.O. Box 1450

Alexandria, VA 22313-1450

EXHIBIT F

CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service as First Class Mail in an envelope addressed to:
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(1326 bytes)

Monthly Reports - April 1999

Department Highlights

**Complete JPEG
MMX
implementation**

**Digital Imaging
Symposium**

PROJECT:

OBJECTIVE:

MANAGER:

DATES:

STAFF:

DISCUSSION

CAST: Worked on further refinement of the image mosaicing algorithms. Introduce a second layer between real-time processing and off-line processing of CAST to properly handle non-sequential order of stitching of individual frames. Since initial motion estimation from real-time stage is not good enough for non-sequential stitching, motion estimation at the offline stage may fail. To prevent this from happening, we introduced a stage in which motion estimates between successive frames are re-estimated after the real-time tracking, and this provides better initial estimates for the main processing stage.

**GOALS FOR
NEXT MONTH**

PROJECT:

OBJECTIVE:

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Display Image Quality: We delivered test files to DPD so that they could test the visibility of sequential color artifacts on their testbeds. We arranged a meeting between Jacki Downing (DPD), Gerry Mooney (IPD), Barry Bronson (HPL) and Dr. Louis Silverstein to discuss a consulting relationship between Dr. Silverstein and HP on display human factors. Dr. Silverstein signed a non-disclosure agreement so that we could discuss the display design issues surrounding RPDs. We installed a new version of the motion tracking software developed by Andy Patti into our Capybara demo. We evaluated the Sony Glastron for Barry Bronson.

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**GOALS FOR
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PUBLICATIONS & REPORTS:

PATENTS:

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